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NOTICE OF ALLOWANCE AND FEE(S) DUE

31904

7590

12/30/2010

GTC BIOTHERAPEUTICS, INC. C/O WOLF, GREENFIELD & SACKS, P.C. 600 ATLANTIC AVENUE BOSTON, MA 02210-2206 EXAMINER

MONTANARI, DAVID A

ART UNIT PAPER NUMBER

1632

DATE MAILED: 12/30/2010

	APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
Ī	07/839,194	02/20/1992	KATHERINE GORDON	G0744.70042US07	6108

TITLE OF INVENTION: TRANSGENIC ANIMALS SECRETING DESIRED PROTEINS INTO MILK

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$0	\$1510	03/30/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

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BOSTON, MA	02210-2206		Γ						(Depositor's name)
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07/839,194	07/839,194 02/20/1992			ON	-	G0	744.70042US07		6108
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nonprovisional	NO	\$1510	\$0		\$0		\$1510		03/30/2011
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MONTANAR	RI, DAVID A	1632	435-320100	_					
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of up or agents OR, alterna (2) the name of a sir registered attorney of	e of a single firm (having as a member a torney or agent) and the names of up to patent attorneys or agents. If no name is					
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a. The following fee(s) a Issue Fee Publication Fee (N Advance Order - #	ermitted)	4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).							
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his collection of inform	nation is required by 37 C tiality is governed by 35 d application form to the tons for reducing this bur irginia 22313-1450. DO	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the NOT SEND FEES OR (on is required to obtain	or reta estim divid ficer, TO	ain a benefit by th	e publ	ic which is to file (and	by the	LISPTO to process)

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600 ATLANTIC AVENUE BOSTON, MA 02210-2206			1632			
DOSTON, MA 022	210-2200		DATE MAILED: 12/30/2010			

Determination of Patent Term Extension or Adjustment under 35 U.S.C. 154 (b)

(application filed prior to June 8, 1995)

This patent application was filed prior to June 8, 1995, thus no Patent Term Extension or Adjustment applies.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	T	T
	Application No.	Applicant(s)
No. 45 - 1 - 4 All - 1 - 1 - 1 - 1 - 1	07/839,194	GORDON ET AL.
Notice of Allowability	Examiner	Art Unit
	David Montanari	1632
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIFULL of the Office or upon petition by the applicant. See 37 CFR 1.313 1. \times This communication is responsive to Applicant's argument.	(OR REMAINS) CLOSED in the or other appropriate communic IGHTS. This application is subjusted in MPEP 1308.	is application. If not included cation will be mailed in due course. THIS
2. 🔀 The allowed claim(s) is/are <u>1,2,5-8,11,16,17 and 30-33</u> .		
3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	be been received. been received in Application N	No
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		reply complying with the requirements
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 		
5. CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the deponattached Examiner's comment regarding REQUIREMENT	son's Patent Drawing Review (I s Amendment / Comment or in .84(c)) should be written on the c he header according to 37 CFR 1 sit of BIOLOGICAL MATER	the Office action of Irawings in the front (not the back) of .121(d). IAL must be submitted. Note the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date Amended 1449 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	 6. ☐ Interview Sumpaper No./Ma 7. ☒ Examiner's An 8. ☒ Examiner's Stans 9. ☒ Other <u>Sequent</u> 	il Date

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DETAILED ACTION

IN THE SPECIFICATION:

The specification has been amended as follows:

Please add the following sentence to the first line of the specification: "The present Application is a DIV of U.S. Application 07/441,785, filed on 11/27/1989, now abandoned, which is a DIV of U.S. Application 06/849,815, filed on 4/9/1986, now abandoned.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

- 1) Regarding the 35 USC 112, first paragraph, new matter rejection over claim 31 (see Final Rejection mailed on 10/5/2009 pgs. 2-3, Applicant's arguments filed on 4/5/2010 (page 5) have been fully considered and found persuasive. Sufficient descriptive support exists for an α -lactalbumin promoter in the instantly filed specification and thus the rejection is withdrawn.
- 2) Regarding the 35 USC 112, first paragraph, written description rejection over claims 1, 2, 5-8, 11, 16, 17 and 30-33, Applicant's arguments filed on 4/5/2010 (pgs. 1-5) have been fully considered and found persuasive. In view of the BPAI decision regarding the written description of milk serum protein promoters in related case 07/938,322 (U.S. Patent No. 7,045,676-BPAI Decision-6/25/2003) and Applicant's arguments that they were in possession of the genus of mammalian milk serum protein promoters, the rejection is withdrawn.

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3) Regarding the 35 USC 112, double patenting rejection over claims 1, 2, 5-8 11, 16, 17 and 30-33 in view of claims 1-5 of U.S. Patent No. 6,727,405 (Application No. 08/246,259) and claims 1-5 of U.S. Patent No. 7,045,676 (Application No. 07/938,322), this rejection is withdrawn. While Applicant has stated that they would file a terminal disclaimer (Arguments, 6/2/2009, pg. 9) when the double patenting rejections were the last remaining rejections, no terminal disclaimer is needed since upon further review no double patenting existed with the pending claims over the claims in the above mentioned U.S. Patents. Both 08/246,259 and 07/938,922 claim priority from Application No. 06/849,815 filed 4/9/1986 and now abandoned. Application No. 06/849,815 restricted (mailed 5/5/1988) between two groups: 1) the DNA construct comprising a mammalian milk serum protein promoter and 2) a transgenic non-human mammal comprising said construct. Since the DNA construct was restricted from the transgenic non-human mammal, no double patenting existed between the instant claims and the claims recited in U.S. Patents 6,727,405 and 7,045,676. The rejections are withdrawn.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Montanari whose telephone number is (571)272-3108. The examiner can normally be reached on M-Tr 8-6.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Paras can be reached on 1-571-272-4517. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

David A. Montanari AU 1632

/Peter Paras, Jr./ Supervisory Patent Examiner, Art Unit 1632